PWD FORM-45 (WORK SLIP)

Name of work:Comprehensive development works in ward no.13, Mallasandra

Name of Agency/Contractor: Sri R. SHIVARAM

Estimated Cost:100.00 lakh

Job Code:013-20-000123

A S No:EE/DD/AS/54/2020-21, Dt:26.05.2020

T S No:EE/DZ/TS/41/2020-21, Dt:26.06.2020

Tender Amount:87,29,662.00

Work order No:EE/DD/W.O/188/2020-21

Sl. No	Description of work	Unit	Qty. as per Sanctioned Estimate			Qty. as per Tender			Actual Executed Qty	Qty. as per Actuals Upto 125%			Qty. as per Actuals Above 125%			Total Executed Amount	Savings	Excess	Remarks
			Qty	Rate	Amount	Qty	Rate	Amount		Qty	Rate	Amount	Qty	Rate 2018-19 SR	Amount				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1	Earth work excavation for foundation of building water sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m after breaking of colds complete as per specifications.(Page No. 5 / Item No. 2.3 of PWD SR 2018-19)	Cum	126.88	322.92	40973.39	126.88	335.80	42606.31	151.67	151.67	335.80	50930.79	0.00	0.00	0.00	50930.79	0.00	8324.48	
2	KSRB 4-1.2 : Providing and laying in position plain cemeht concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications Specification No KBS (P.No. 13/ LNo. 4.2 of PWD 2018-19)	Cum	43.67	5698.60	248837.76	43.67	5925.97	258787.11	30.88	30.88	5925.97	182993.95	0.00	0.00	0.00	182993.95	75793.16	0.00	
3	Providing and constructing granite /trap/ baslat size stone masonry in foundation with cement mortar 1:6, stones hammerd dressed in courses not less than 20cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications (Page No. 25/ Item No. 5.6, PWD SR 2018-19)	Cum	55.31	4983.92	275685.30	55.31	5182.78	286659.57	74.11	69.14	5182.78	358324.45	4.97	5278.18	26245.74	384570.20	0.00	97910.63	
4	Providing ruled pointing to coursed stone masonry with cement mortar 1:3 20mm deep, after raking joints to depth of 20mm necely lining, including cost of materials, labour, curing complete as per specifications (Page No. 115 / Item No. 15.3, PWD SR 2018-19)	Sqm	33.44	157.49	5265.68	33.44	163.77	5476.47	85.20	41.80	163.77	6845.59	43.40	183.24	7952.62	14798.20	0.00	9321.73	
5	Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20cms in depth compacting each deposited layers by ramming after watering with lead upto 50m and lift upto 1.5m including cost of all labour complete as per specification (Page No. 7 / Item No. 2.10 / PWD SR 2018-19)	Cum	126.88	217.08	27543.98	126.88	225.74	28641.90	151.67	151.67	225.74	34237.99	0.00	0.00	0.00	34237.99	0.00	5596.09	

			Qty	Rate	Amount	Qty	Rate	Amount	Executed Qty	Qty	Rate	Amount	Qty	Rate 2018-19 SR	Amount	Executed Amount	Savings	Excess	Remarks
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
6	KSRB 4.2.7. Providing and laying in position reinforced cement concrete cum of Design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregtes @ 0.47cum, with super plasticisers @ 3 liters confirming to IS 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspiliars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1,4.6 Specification No. KBS 4.1, 4.6 (Page No 14, Item No. 4.12, PWD SR 2018-19)	Cum	61.02	6666.26	406760.06	61.02	6932.24	423005.29	87.09	76.28	6932.24	528756.61	10.82	7580.94	81987.87	610744.47	0.00	187739.18	
7	KSRB 4.2.10 Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 24kgs, with 12mm and down size graded granite metal coarse aggregates @0.0517Scum and fine aggregtes @ 0.0345cum, with superplastisiser @0.225lts, machine mixed, well compacted for plain chajja of 7.5 cms average thickness, upto ground floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6 (page No. 15, Item No. 4.19, PWD SR 2018-19)	Sqm	1.68	484.92	814.67	1.68	504.27	847.18	11.13	2.10	504.27	1058.97	9.03	550.06	4967.04	6026.01	0.00	5178.83	
8	KSRB 4.9.2 Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 - TMT bars Fe 500 (Page No 18 / Item No 4.46.2, PWD SR 2018-19)	Tonne	6.27	76643.28	480535.74	6.27	79701.35	499727.47	8.98	7.84	79701.35	624659.33	1.14	98177.34	111971.26	736630.59	0.00	236903.12	
9	Providing and removing centering shuttering strutting propping etc., and removal of form work for columns, pillars, abutments, post and struts square/ rectangular/ polygon in plan including cost of all materials labour complete as per specification (Page No 16 / Item No. 4.32, PWD SR 2018-19)	Sqm	68.74	492.48	33851.11	68.74	512.13	35203.82	116.10	85.93	512.13	44004.77	30.18	512.13	15453.52	59458.29	0.00	24254.47	
10	Providing and removing centering shuttering strutting propping etc., and removal of form work for sides and soffits of beams beam houchings cantilever girders bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specification (Page No 17 / Item No 4.34, PWD SR 2018-19)	Sqm	163.74	315.36	51637.05	163.74	327.94	53696.90	180.19	180.19	327.94	59091.51	0.00	0.00	0.00	59091.51	0.00	5394.61	

No	Description of Work	Unit	Qty	Rate	Amount	Qty	Rate	Amount	Executed Qty	Qty	Rate	Amount	Qty	Rate 2018-19 SR	Amount	Executed Amount	Savings	Excess	Remarks
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
11	Providing and removing centering shuttering strutting propping etc., for chejjas, corbels etc., including edges including cost of all materials, labour complete as per specifications (Page No. 17 / Item No. 4.37, PWD SR 2018-19)	Sqm	2.52	348.84	879.08	2.52	362.76	914.16	12.69	3.15	362.76	1142.69	9.54	362.76	3460.73	4603.42	0.00	3689.26	
12	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs,landing, balconies and likes thickness upto 200mm including cost of materials, labour complete as per specification (Page No. 16/ Item No. 4.30, PWD SR 2018-19)	Sqm	114.80	475.20	54552.96	114.80	494.10	56722.68	154.84	143.50	494.10	70903.35	11.34	494.10	5603.09	76506.44	0.00	19783.76	
13	KSRB 4-6.11 :Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for Stairs (excluding landing) except spiral staircase including cost of all materials, labour complete as per specificaiton. Specification No. KBS 4 6.2 (Page No-16 Item no - 4.38 of KPWD SR 2018-19)	Sqm	8.08	561.60	4538.86	8.08	584.01	4718.81	32.43	10.10	584.01	5898.50	22.33	584.01	13040.94	18939.44	0.00	14220.63	
14	Providing and constructing load bearing wall with solid concrete blocks having block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 confirming to JS 2185 (Part 1) 2005 and constructed with CM 1:4, as per IS 2572.2005 \ including cost of ail materials labour charges, scaffolding, curing, hirecharges of machineries etc., complete as per specifications. KBS No.54 (Page No. 27 / Item No. 5.26.2, PWD SR 2018-19) (400x150x200mm)	Sqm	173.82	1000.90	173976.44	173.82	1040.84	180918.81	216.55	216.55	1040.84	225393.90	0.00	0.00	0.00	225393.90	0.00	44475.09	
15	Providing 18mm thick cement plaster in single coat with cement mortar 1:3, to brick masonry including rounding off corners wherever required smooth rendering: providing and removing scaffolding, including cost of materials labour curing complete as per specifications (P.No. 116, I.No. 15.15 of PWD SR 2018-19)	Sqm	234.15	301.80	70665.75	234.15	313.84	73485.64	331.93	292.69	313.84	91857.05	39.24	331.36	13003.39	104860.44	0.00	31374.80	
16	Providing 20mm thick cement plaster in single coat with cement mortar 1:3, to stone masonry & concrete surface including rounding off corners wherever required smooth rendering. Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications (Page No116, Item No.15.18 PWD SR 2018-19)	Sqm	226.50	316.25	71630.61	226.50	328.87	74489.06	184.52	184.52	328.87	60683.09	0.00	0.00	0.00	60683.09	13805.97	0.00	
17	Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering providing and removing scaffolding including cost of materials, labour curing complete as per specification (Page No. 116, Item No. 15.21 of PWD SR 2018-19)	Sqm	114.80	256.28	29420.71	114.80	266.51	30595.35	150.21	143.50	266.51	38244.19	6.71	278.18	1866.59	40110.77	0.00	9515.42	

No	Description of work	Unit	Qty	Rate	Amount	Qty	Rate	Amount	Executed Qty	Qty	Rate	Amount	Qty	Rate 2018-19 SR	Amount	Executed Amount	Savings	Excess	Remarks
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
18	Providing applying two coats of wall putty to inside plastered walls and ceiling using white cement putty. Scrapping and levelling the surface using steel blade and preparing the surface even and smooth by using different grade sand papers, including cost of all materials, cost of labour and scaffolding etc., complete as per the specification. (P.No. 128, I.No. 15.106 of SR 2018-19)	Sqm	348.95	84.24	29395.55	348.95	87.60	30568.02	482.14	436.19	87.60	38210.03	45.95	87.60	4025.44	42235.46	0.00	11667.44	
19	KSRB 15-15.1 . Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. - with primer (P No. 119, I.No. 15.51.2 of SR 2018-19)	Sqm	234.15	97.20	22759.38	234.15	101.08	23667.89	482.14	292.69	101.08	29584.85	189.45	101.08	19149.86	48734.71	0.00	25066.82	
20	Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered materials, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications (Page No 120 / Item No. 15.53.2, SR 2018-19)	Sqm	226.50	110.16	24951.24	226.50	114.56	25947.84	184.52	184.52	114.56	21138.61	0.00	0.00	0.00	21138.61	4809.23	0.00	
21	Providing Honne wood frames of doors, windows, clerestory windows, ventilators and other frames wrought, framed of assembled including making plaster grooves (excluding cost of materials, labour, HOM of machineries complete as per specifications (P No. 53/ I. No 9.11 of PWD SR 2018-19)	Cum	0.16	94612.32	15137.98	0.16	98387.35	15741.98	0.20	0.20	98387.35	19677.47	0.00	0.00	0.00	19677.47	0.00	3935.49	
22	Providing and fixing in position fully panelled Honne wood shutters for doors, styles and rails of 40mm, thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour,HOM of machineries completed as per specification (excluding cost of fixtures) (Page No. 53, Item No. 9.15, PWD SR 2018-19)	Sqm	3.78	5099.76	19277.10	3.78	5303.24	20046.25	6.73	4.73	5303.24	25057.81	2.01	5303.24	10633.00	35690.81	0.00	15644.56	
23	Providing and fixing M.S grill work for windows and ventilator weighing 21kg/Sqm using M.S flats, or M.S square rods or combination of M.S flats and steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures labour and HOM of machinery specifications (P.No. 34, I.No. 7.9 of PWD SR 2018-19)	Kg	120.96	102.60	12410.50	120.96	106.69	12905.23	282.45	151.20	106.69	16131.53	131.25	106.69	14003.06	30134.59	0.00	17229.36	
24	KSRB 15-18.1 Applying red lead ready mix priming coat over new steel or other metal surface including preparing the surface after throughly cleaning oil, grease, dirt and other foreign matter, and scoured with wire brushes, fine steel wool, sand papers including cost of materials, labour, complete as per specifications (Page No.123/ Item No.15.73, PWD SR 2018-19)	Sqm	5.76	44.28	255.06	5.76	46.05	265.25	13.45	7.20	46.05	331.56	6.25	46.05	287.81	619.37	0.00	354.12	

Sl. No	Description of work	Unit	Qty	Rate	Amount	Qty	Rate	Amount	Actual Executed Qty	Qty	Rate	Amount	Qty	Rate 2018-19 SR	Amount	Total Executed Amount	Savings	Excess	Remarks
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
25	KSRB 15-18 2 Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications (Page No 123/ Item No 15 74, PWD SR 2018-19)	Sqm	5 76	102 60	590 98	5 76	106 69	614 54	13 45	7 20	106 69	768 17	6 25	106 69	666 81	1434 98	0 00	820 44	
26	Providing and laying flooring using prepolished, water cut/gang saw 19mm thick granite laid over bed of 20mm thick 1 4 cm & jointed with neat cement slurry mixed with pigment to mach shade of granite slabs including laying POP on finished surface and cleaning the surface, including the cost of all materials and labours etc., complete as per specifications. - using silver grey granite / Multy Red / Ruby Red / Black / HassanGreen Granite of width not less than 900mm (P.No 110, LNo.14 47.2 of PWD SR 2018-19)	Sqm	224 95	2603.72	585706 18	224 95	2707 61	609076 87	244 55	244 55	2707 61	662146 03	0 00	0 00	0 00	662146 03	0 00	53069 16	
27	Providing and fixing colour glazed tiles of size 300mmx600mm for walls with borders of size 300x100mm, set in Cement Mortar 1 3 and pointed with white cement with matching colour pigment with necessary curing, cleaning including providing and removing scaffolding wherever necessary etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for equipment, etc., complete as per specification. (P.No. 112, LNo. 14 64 of SR 2018-19)	Sqm	9.36	1329 61	12445.15	9.36	1382 66	12941 70	25 10	11 70	1382 66	16177 12	13 40	1479 97	19831 60	36008.72	0 00	23067 02	
28	Providing and fixing for flooring 40mm thick sadarhalli grey flammed granite slab for bath areas in Bathrooms over a bed of 25mm thick CM1:6 and fixing granite slab with CM 1:3 (Item no 14 57, Page no 111, PWD SR 2018-19)	Sqm	142 80	1983.25	283208.19	142 80	2062 38	294507 87	109 45	109 45	2062.38	225727 49	0 00	0 00	0 00	225727 49	68780.38	0 00	
29	KSRB 7.17 . Providing, fabricating, assembling and fixing in position aluminium doors using following aluminium mat finish or glossy finish, outer frame plain section 101 6x44 45mm thickness 3 18mm, section weight 2 404 kg/m, door shutters vertical section 44 62x44 45mm thickness 3 18mm, section weight 1 505kg/m, top section 47 62x44 45mm thickness 3 00mm, section weight 1 426kg/m bottom section 114 3x44 45 thickness 3 18mm, section weight 2 646kg/m, door central section 49 91x44 45mm thickness 3 00mm, section weight 1 495 kg/m glazing clips 19x17 3x11mm thickness 0 9mm section weight 0 124kg/m, aluminium sections cut to length joint metred cornersgrinded, the shutters pivoted opening arrangement with heavy duty aluminium alloy automatic door closures floor mounted, providing and fixing standard approved accessories, such as aluminium handle for full width or length, tower bolts, lock, pivots	Sqm	5 76	6621 48	38139 73	5 76	6885 68	39661 52	0 00	0 00	6885 68	0 00	0 00	0 00	0 00	0 00	39661 52	0 00		

Sl No	Description of work	Unit	Qty	Rate	Amount	Qty	Rate	Amount	Executed Qty	Qty	Rate	Amount	Qty	Rate 2018-19 SR	Amount	Executed Amount	Savings	Excess	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
30	Providing and fixing PVC Hollow Door Frame of the size 50x47mm with a wall thickness of 5mm, made out of extruded 5mm rigid PVC foam sheet, mitre cut at two corners and joined with 2 No.s of 150mm long brackets of 15 x 15mm M.S Square tube The two vertical door profiles are to be reinforced with 19x19mm M.S Square tube of 19 guage, EPDM rubber gasket weather seal to be provided through out the frame The door screws through the frame by using PVC fasteners. A minimum of 4 Nos. of screws to be provided for each vertical member & minimum 2 Nos. for horizontal member. (, P.No 62, I No 9.92 PWD SR 2018-19)	Mtr	5.70	388.80	2216.16	5.70	404.31	2304.57	11.70	7.13	404.31	2880.71	4.58	404.31	1849.72	4730.43	0.00	2425.86	
31	"SOLID PANEL PRELAM PVC DOOR SHUTTER" Providing and fixing 30MM thick factory made rigid foam with both side Prelam Panelled Door Shutters made from M.S. tube of 19 x 19mm, 19 gauge for styles and 15 x 15mm for top & bottom rails, covered with heat moulded Prelaminated PVC 'C' Channel of 5mm thick sheet & 30 x 50mm wide to form styles & 5mm thick & 75mm wide Prelaminated PVC Sheets for top rail, lock rail & bottom rail on either side & 5mm thick, 20mm wide cross PVC sheet as gap insert for top rail & bottom rail, Panelling of 5mm thick PVC sheet Prelaminated on either side fitted in the M.S Frams, Sealed to the styles & rails with PVC Designer beading on either side & joined together with solvent cement adhesive etc , Complete as per manufacturers specification & direction of Engineer-in-charge fixed to frames with 3 nos of 75mm. Aluminium hinges (, P No 61, I No 9.85 1 PWD SR 2018-	Sqm	1.58	4045.68	6371.95	1.58	4207.10	6647.22	3.47	1.98	4207.10	8309.02	1.50	4207.10	6289.61	14598.64	0.00	7951.42	
32	Applying priming coat over new wood surface and/ or wood based surface after preparing the surface after throughly cleaning oil, grease, dirt and foreign matter, sand papering and knotting liquid wood filler, for varnish including cost of materials, labour, complete as per specifications (P No 121, I No 15.59 of SR 2018-19)	Sqm	3.78	54.00	204.12	3.78	56.15	212.25	20.42	4.73	56.15	265.31	15.70	56.15	881.27	1146.58	0.00	934.33	
33	Providing and applying painting two coats (excluding priming coat) on new wood surface and/ or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as per specifications (P.No 121, I.No 15.60 1 of SR 2018-19)	Sqm	3.78	104.76	396.00	3.78	108.94	411.80	20.42	4.73	108.94	514.74	15.70	108.94	1709.81	2224.55	0.00	1812.75	

			Qty	Rate	Amount	Qty	Rate	Amount	Executed Qty	Qty	Rate	Amount	Qty	Rate 2018-19 SR	Amount	Executed Amount	Savings	Excess	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
34	Providing and laying integral cement based water proofing treatment including preparation of surface as required for treatment of roofs, balconies terraces etc , consisting of following applications a) applying and grouting a slurry coat of neat cement using 2 75 kg per sqm of cement admixed with proprietary water proofing compound confirming to IS 2645 over the RCC slab after cleaning the surface before treatment b)laying cement concrete using broken brick bats 25mm to 100mm size with 50% of cement mortar 1 5 admix with propreatory water proofing compound confirming IS 2645 over 20mm thick layer of cement mortar 1 5 admix with propretary water proofing compound to required slope and treating similarly the adjoining walls upto 300mm height including rounding off junctions of walls and slabs c)after two days of proper curing applying a second coat of cement slurry admix with prepretoray water	Sqm	126 21	1099 52	138764 37	126 21	1143 39	144307.26	150 12	150 12	1143 39	171645 71	0 00	0 00	0 00	171645 71	0 00	27338 45	
35	Providing and fixing M S Gate as per Chief Architect Drawing, using 50mm x 50mm 14 guage M S hollow pipe frame work bent to ornamental shape as shown in the drawing and 35mm x 6mm and 16 x 16mm Square rods for verticals alternatively spaced at 4cms c/c in two halves and 40mmx6mm M S flats for horizontal member and at the top cast iron spikes are provided at alternate vertical members asshown in the drawing etc , complete All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc , complete The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, with lead and lift, loading and unloading charges, etc , complete as per specifiocation (P No 45 / I No 7 37 of PWD 2018-19)	Sqm	7 56	3252 96	24592 38	7 56	3382 75	25573 59	11 03	9 45	3382 75	31966 99	1 58	3382 75	5344 75	37311 73	0 00	11738 14	
36	Providing and fixing M S Hand railing for Balcony with 50mm dia M S hollow pipe of 14 gauge, welded to 20mmx20mm M S square rod placed vertically, spaced at 100mm at regular intervals of 600mm These vertical rods laterally tied to 3 horizontal rods spaced at equal interval These assembly is fixed to concrete by using expansion bolts and welding the same to reinforcement bars and making good the surface All the joints and sections hould be cut to length, welded and grinded wherever necessary etc , complete The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, etc , complete as per specification and drawing (Page No 44, Item No 7 35, PWD SR 2018-19)	Sqm	8 40	3067 20	25764 48	8 40	3189 58	26792 48	19 47	10 50	3189 58	33490 59	8 97	3189 58	28610 53	62101 12	0 00	35308 64	

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
			Qty	Rate	Amount	Qty	Rate	Amount	Qty	Qty	Rate	Amount	Qty	Rate as per 19 SR	Amount	Amount			
37	KSRB 11-5 Providing and fixing white vitreous china clay, water closet European type (Pedestal type, P-trap) with black solid plastic seat and lid, C.P brass hinges, rubber buffers 10 litre low level, P.V.C flushing cistern (all are approved make) with fittings, C.I / M.S brackets, 40mm diameter flush bend with fittings and clamps, overflow arrangements with special and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No KBS 11 (P.no 79 1.No 12.5 PWD SR 2018-19)	Pan	1.00	5352.48	5352.48	1.00	5566.04	5566.04	2.00	2.00	5566.04	11132.08	0.00	0.00	0.00	11132.08	0.00	5566.04	
38	Providing and fixing white vitreous china clay flat back wash basin size 630x450mm with a single of 15mm C.P. brass pillar taps with C.I /M.S. brackets 32mm C.P. brass waste of standard pattern, painting of fittings and brackets, cuttings and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications (P.No. 83, I.No. 12.24 of PWD SR 2018-19)	Unit	1.00	3400.92	3400.92	1.00	3536.62	3536.62	1.00	1.00	3536.62	3536.62	0.00	0.00	0.00	3536.62	0.00	0.00	
39	Providing and fixing CI Nahani trap of approved make conforming to ISI specifications and construction of Cistern in M-15 as per directions (Rate is inclusive of cost of materials and fixtures and conveyance of materials to work spot). - 10cms x 7.5cms (P.No.90, I.No 12.113.1 of PWD SR 2018-19)	Each	1.00	270.00	270.00	1.00	280.77	280.77	2.00	2.00	280.77	561.54	0.00	0.00	0.00	561.54	0.00	280.77	
40	Circular shape mirror of size 450 mm with plastic moulded frame (Page:XXV, SL No 636 PWD SR 2018-19)	No's	3.00	466.10	1398.30	3.00	484.70	1454.10	3.00	3.00	484.70	1454.10	0.00	0.00	0.00	1454.10	0.00	0.00	
41	KSRRB 300-3. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil involving , excavated surface leveled & sides neatly dressed , the disposed earth to be levelled neatly after breaking of clods complete as per specification MORTH/ Chapter 3. (Page No. 143/ Item No. 19.1/ PWD SR 2018-19)	Cum	693.40	137.80	95550.52	693.40	143.30	99364.22	440.21	440.21	143.30	63082.09	0.00	0.00	0.00	63082.09	36282.13	0.00	
42	KSRRB M2100-10 Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications (P.No-222,I No-27.18 pwd 2018-19)	Cum	117.02	5509.33	644673.87	117.02	5729.15	670425.14	164.30	146.28	5729.15	838031.42	18.03	6141.12	110693.69	948725.10	0.00	278299.96	

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
43	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0 69 cum and fine aggregates at 0 43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc , complete excluding cost of steel as per MORTH specification No 1500, 1700, 2200 including cost of materials, labour, HOM complete as per specificationsdo- Wall & bottom thickness 15cm (I No-37 59 2,P No-271 PWD SR 2018-19)	Cum	47 70	7189 42	342935 25	47 70	7476 28	356618 56	23 04	23 04	7476 28	172253 49	0 00	0 00	0 00	172253 49	184365 07	0 00	
44	KSRB 4 9 2 . Providing T.M.T steel reinforcement for R C C workincluding straightening, cutting, bending, hooking, placing in position,lapping and / or welding wherever required, tying with binding wire andanchoring to the adjoining members wherever necessary complete asper design (laps, hooks and wastage shall not be measured and paid)cost of materials, labour, HOM of machinery complete as perspecifications Specification No. KBS 4 6.3 (I No-28 8 2,P No-229 PWD SR 2018-19)	Tonne	3 20	72326 98	231735 65	3 20	75212 83	240681 06	1 77	1 77	75212 83	133126 71	0 00	0 00	0 00	133126 71	107554 35	0 00	
45	Providing and fixing Precast RCC cover slabs of 100 mm thick for drain in cement concrete 1.1 5 3 using graded granite jelly 20mm and down size with steel reinforcement and pointing for joints 1 3 cement mortor including form work, lift charges,curing and concrtee finished surface on both sides etc,and complete as per the directions of Enginner in charges (Data Rate)	Sqm	108 90	1615 00	175873 50	108 90	1679 44	182891 02	38 34	38 34	1679 44	64389 73	0 00	0 00	0 00	64389 73	118501 29	0 00	
46	Providing and fixing Precast RCC slab of 250mm thick for Culverts made of Plain/Reinforced Cement Concrete design mix M25 with OPC@340kgs,with 20mm and down size graded granite metal coarse aggregates @0 70cum and fine aggregates@0 47cum,with superplasticizer@3lts confirming to 189103-1999 Reaffirmed-2008,Open Foundation complete as per Drawing and Technical Specification including cost of all materials, labour,HOM curing,form works,scaffolding and centering complete as per specifications and pointing for ljoints 1:3 cement mortar including form work,lift charges,curing and concrete finished surfaces on both sides etc,complete and as per the directions of Engineer in-Charge (Data Rate)	Sqm	7.20	3674 00	26452.80	7 20	3820 59	27508 25	41 88	9 00	3820 59	34385 31	32.88	3820 59	125621 00	160006 31	0 00	132498 06	
47	KSRRB M200-24 Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0 02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications MORTH Specification No 202 (Page No-140 Item no - 18 47 of KPWD SR 2018-19)	Cum	38 52	952 94	36707 25	38 52	990 96	38171 78	155 92	48 15	990 96	47714 72	107 77	990 96	106795 76	154510 48	0 00	116338 70	

Sl. No	Description of work	Unit	Qty	Rate	Amount	Qty	Rate	Amount	Actual Executed Qty	Qty	Rate	Amount	Qty	Rate 2018-19 SR	Amount	Total Executed Amount	Savings	Excess	Remarks
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
48	KSRRB 300-49 Scarifying bituminous course 50mm to 75mm thick along with premix carpet / surface dressing by manual means without disturbing the base and stacking of the debris materials including cost of all labour charges complete as per specifications MORTH / Chapter 3 (Page No 146/ Item No 19 55/ PWD SR 2018-19)	Sqm	1948 40	95 40	185877 36	1948 40	99 21	193300 77	913 80	913 80	99 21	90658 10	0 00	0 00	0 00	90658 10	102642 67	0 00	
49	KSRRB 300-Compaction KSRRB 300-58 Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications MORTH / Chapter 3 (Page No-147 Item no - 19 64 of KPWD SR 2018-19)	Sqm	2205 20	6 36	14025 08	2205 20	6 61	14576 38	1953 24	1953 24	6 61	12910 92	0 00	0 00	0 00	12910 92	1665 46	0 00	
50	KSRRB M400-17 Providing, laying, spreading and compacting cushed stone aggregates of granite / trap I basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve thedesired density complete as per specifications MORTH Specification No 406 (Page No-158 Item no - 20 18 of KPWD SR 2018-19)	Cum	409 14	2001 28	818803 70	409 14	2081 13	851473 53	384 37	384 37	2081 13	799923 94	0 00	0 00	0 00	799923 94	51549 59	0 00	
51	Cement concrete pavement Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051 2 2 design mix M20/M30 , with 25mm and down size graded granite metal coarse aggregates and fine aggregtes , with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 , mixed in a concrete mixer of not less than 0 6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing) Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation	Cum	178 38	5354 02	955050 42	178 38	5567 65	993157 41	155 92	155 92	5567 65	868107 99	0 00	0 00	0 00	868107 99	125049 42	0 00	
52	KSRRB M500-6 Providing and applying primer coat with bitumen emulsion on prepared surface of granular base including clearing of road surface and spraying primer at the rate of 0 60 kg/ I sqm using mechanical means complete as per specifications MORTH Specification No 502 (Page No-161 Item no - 21 6 of KPWD SR 2018-19)	Sqm	1567 20	26 50	41530 80	1567 20	27 56	43192 04	913 80	913 80	27 56	25184 33	0 00	0 00	0 00	25184 33	18007 71	0 00	

No	Description of work	Unit	Qty	Rate	Amount	Qty	Rate	Amount	Actual Executed Qty	Qty	Rate	Amount	Qty	Rate 2018-19 SR	Amount	Total Executed Amount	Savings	Excess	Remarks
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
53	KSRRB M500-17 Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500 10 complete in all respects complete as per specifications MORTH Specification No 507 - using 40/60 TPH capacity H.M.P with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen (Page No-160 Item no - 21 17 6 of KPWD SR 2018-19)	Cum	78 36	5727 18	448781 83	78 36	5955 69	466687 87	45 69	45 69	5955 69	272115 48	0 00	0 00	0 00	272115 48	194572 39	0 00	
54	KSRRB 500-2. Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications MORTH specification clause 501 (Page No-158 Item no - 21 2 of KPWD SR 2018-19)	Sqm	3888 40	5 30	20608 52	3888 40	5 51	21425 09	1448 90	1448 90	5 51	7983 44	0 00	0 00	0 00	7983 44	13441 65	0 00	
55	KSRRB 500-7 Providing and applying tack coat using 80/100 grade bitumen(VGIO) on the prepared black topped surfaces at 2 5 kg per 10sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications MORTH (Page No-158 Item no - 21 7 of KPWD SR 2018-19)	Sqm	3888 40	12 72	49460 45	3888 40	13 23	51443 54	1448 90	1448 90	13 23	19168 95	0 00	0 00	0 00	19168 95	32274 59	0 00	
56	KSRRB M500-19 Providing and laying bituminous concrete 40 mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No 500 9 complete in all respects complete as per specifications Clause 507 of MORTH V Version as per IRC SP-53-2015,do-Using 40-60 TPH Capacity HMP With Mechanical Paver Grading II (30-45mm) with 5 4% of Modified bituminous binder consisting of 4 97% of VG-30 bitumen (60/70 grade) and 0 43% of plastomeric thermoplastics (Waste Plastic) (P No 171 & I No 21 78 12, PWD 18-19)	Cum	151 30	6761 74	1023064 79	151 30	7031 53	1063870 49	57 96	57 96	7031 53	407547 48	0 00	0 00	0 00	407547 48	656323 01	0 00	
57	Removal of Unserviceable Soil with Disposal KSRRB M300-19 Removal of unserviceable soil including excavation, loading and disposal but excluding replacement by suitable soil which shall be paid separately as per clause 300 5 complete as per specifications MORTH Specification No 301 (P No 144 & I No 19 20 PWD 18-19)	Cum	693 40	34 98	24255 14	693 40	36 38	25225 90	440 21	440 21	36 38	16014 84	0 00	0 00	0 00	16014 84	9211 06	0 00	

No	Description of work	Unit	Qty	Rate	Amount	Qty	Rate	Amount	Actual Executed Qty	Qty	Rate	Amount	Qty	Rate 2018-19 SR	Amount	Total Executed Amount	Savings	Excess	Remarks
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
58	KSRRB M100-1 Loading and Unloading of Stone Boulder / Stone aggregates /Sand/ Kanker / Moorum. KSRRB M100-1 : Placing tipper at loading point, loading with front end loader,dumping, turning for return trip, excluding time for haulage and return trip complete as per specifications. MORTH -100/ Chapter 1 (P.No.136 & 1.No.17.1 PWD 18-19)	Cum	135.94	57.00	7748.58	135.94	59.27	8057.17	210.75	169.93	59.27	10071.45	40.82	59.27	2419.58	12491.03	0.00	4433.86	
59	KSRRB M100-4.1 Cost of Haulage Excluding Loading and Unloading MORTH -100/ Chapter 1 Case-1 : Surface Road (P.No.136 & 1.No.17.4 PWD 18-19)	t.km	829.34	25.60	21231.11	829.34	26.62	22077.04	650.96	650.96	26.62	17328.50	0.00	0.00	0.00	17328.50	4748.54	0.00	
	Electrical Work Charges	L/s			150000.00														
	Total Construction Cost				**8544943.97**			**8729662.00**				**7605733.66**			**744367.00**	**8350100.00**	**1859040.00**	**1479464.00**	
	GST Charges 12%				**1025393.28**														
	Tender Premium 5%				**427247.20**														
	Sub Total				**9997584.44**														
	Miscellaneous and rounding off				**2415.56**														
	Total				**10000000.00**			**8729662.00**				**14578134.56**			**744367.00**	**8350100.00**	**1859040.00**	**1479464.00**	

Percentage of Excess Approved to Tender Amount $\frac{1479464.00}{8729662.00}$ X100 = 16.95%

Assistant Engineer
Ward No.13

Assistant Executive Engineer
Shettyhalli Sub Division

Executive Engineer
Dasarahalli Division

workship in approved

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ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು